

Receiving Report

Date:

12/10/10

Batch No:

M/23279

Supplier:

TITXGOSPEL/ANPA

Dart P/O:

18068

Packing Slip:

Yes

No

Invoice:

Yes

No

Receipt:

Cash

Cr

Release Note Attached:

Yes

No

N/A

Waybill Attached:

Yes

No

N/A

Shipment Complete:

Yes

No

N/A

QC6 Inspection

19

Yes

No

N/A

Work Order

12/10/11

N/A

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments
M606/T6	30-375X0.100	318	36	0	12	
M30451860		192	160	0	32	
M2024	TS3.0190	48	0	0	48	

Initials of receiver (if shipment OK) Level 12

Production/Admin:

Date

Received/Costing

Initial

12/10/10

Location

Purchase Order Receipt Listing

Page 1 of 2

Wednesday, October 10, 2012 1:56:38 PM

All amounts are calculated in domestic currency.

All Vendors PO ID PO18068 All Receipt Dates All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID\Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO18068	1		M303B1.000X03.000 f		10/10/2012	10/10/2012	8.0000	\$51.32	0.0000	0	\$410.53
CAD	No		303 BAR 1" X 3'	f	8.0000	DESJ02		\$410.53	0.0000	0	
			123279								
	2		M303H0.500 f		10/10/2012	10/10/2012	12.0000	\$2.85	0.0000	0	\$34.17
	No		303 HEX BAR .500 f		12.0000	DESJ02		\$34.17	0.0000	0	
			123279								
	3		M304S18GA sf		10/10/2012	10/10/2012	160.0000	\$3.44	0.0000	0	\$550.51
	No		304/316 .050 Sheet sf		192.0000	DESJ02		\$550.51	0.0000	0	
			123279								
	4		M6061T6B0.250X02. f-000		10/10/2012	10/10/2012	72.0000	\$1.19	0.0000	0	\$85.68
	No		6061-T6 Bar .250 X 2.00 f		72.0000	DESJ02		\$85.68	0.0000	0	
			123279								
	5		M6061T6B0.250X06. f-000		10/10/2012	10/10/2012	36.0000	\$3.61	0.0000	0	\$129.99
	No		6061-T6 Bar .250 x 6.00 f		36.0000	DESJ02		\$129.99	0.0000	0	
			123279								
	6		M6061T6B0.375X01. f-000		10/10/2012	10/10/2012	36.0000	\$0.95	0.0000	0	\$34.16
	No		6061T6 BAR .375 x 1.00 f		48.0000	DESJ02		\$34.16	0.0000	0	
			123279								
	7		M6061T6B0.625X02. f-500		10/10/2012	10/10/2012	12.0000	\$3.92	0.0000	0	\$46.99
	No		6061-T6 Bar .625 x 2.50 f		12.0000	DESJ02		\$46.99	0.0000	0	
			123279								

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID/Vendor Name		VC-COP001	Thyssenkrupp Materials CA Ltd								
PO18068	8		M6061T6B00750X00 f .125		10/10/2012	10/10/2012	100.0000	\$0.36	0.0000	0	\$36.11
CAD	No		6061-T6 Bar .750 x f .125 123279		100.0000	DESJ02		\$36.11	0.0000	0	
	9		M6061T6B1.000X02. f 000		10/10/2012	10/10/2012	24.0000	\$4.92	0.0000	0	\$117.98
	No		6061-T6 Bar 1.00 x f 2.00 123279		24.0000	DESJ02		\$117.98	0.0000	0	
	10		M6061T6B0.625X01. f 500		10/10/2012	10/10/2012	12.0000	\$2.24	0.0000	0	\$26.85
	No		6061-T6 Bar .625 x f 1.50 123279		12.0000	DESJ02		\$26.85	0.0000	0	
	11		M6061T6B0.187X04. f 000		10/10/2012	10/10/2012	60.0000	\$1.93	0.0000	0	\$115.95
	No		6061-T6 Bar .187 x f 4.00 123279		60.0000	DESJ02		\$115.95	0.0000	0	
	12		M6061T6B2.000X02. f 250		10/10/2012	10/10/2012	12.0000	\$11.75	0.0000	0	\$140.97
	No		6061-T6 Bar 2.00 x f 2.25 123279		12.0000	DESJ02		\$140.97	0.0000	0	
	13		M6061T6S.080 sf		10/10/2012	10/10/2012	288.0000	\$2.72	0.0000	0	\$783.98
	No		6061-T6 .080 Sheet sf 123279		288.0000	DESJ02		\$783.98	0.0000	0	
	14		M6061T6S.090 sf		10/10/2012	10/10/2012	96.0000	\$3.06	0.0000	0	\$293.99
	No		6061-T6 .090 Sheet sf 123279		96.0000	DESJ02		\$293.99	0.0000	0	
	15		M6061T6S.125 sf		10/10/2012	10/10/2012	144.0000	\$4.20	0.0000	0	\$604.72
	No		6061-T6 .125 Sheet sf 123279		144.0000	DESJ02		\$604.72	0.0000	0	
Total Received Quantity:											1,072.0000
Total Qty to Inspect (PO U/M):											0.0000
Total Reject Quantity:											0.0000
Total Receipt Value:											\$3,412.59
Total Balance Due Quantity:											44.0000

30

B I L L O F L A D I N G

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 9057389033

No: PEC 789038
Ship Date 09Oct12 at 13:18 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

M/23279

B I L L O F L A D I N G

1) Our Order PEC-497102- 1 Your PO # 18068
STAINLESS STEEL FLAT BAR 303CD
1.00" X 3.00" X 96.0000"

Heat Number Tag No
A11817 111516

MTR'S

Quantity PCS Wt LBS
8 FT 1 82

2) Our Order PEC-497102- 2 Your PO # 18068
STAINLESS STEEL HEX BAR 303 STAINLESS
.50" HEX X 144.0000"

Heat Number Tag No
3S989 111517

MTR'S

Quantity PCS Wt LBS
12 FT 1 9

3) Our Order PEC-497102- 3 Your PO # 18068
STAINLESS STEEL SHEET 304-2B
.0480 Nom X 48.0000" X 96.0000"

1 PC B/O

Heat Number Tag No
UZ118173 111557
0502414 111558
Total:

MTR'S

Quantity PCS Wt LBS
128.00 SFT 4 249
32.00 SFT 1 62
160.00 SFT 5 311

4) Our Order PEC-497102- 4 Your PO # 18068
ALUMINUM FLAT BAR 6061-T6511
.250" x 2.00" X 144.0000"

Heat Number Tag No
HK036 219 111519

MTR'S

Quantity PCS Wt LBS
72 FT 6 43

Page: 1Continued

HLI-BDL
R-502

HLI-BDL
R-600

HLI-BDL
R-138

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

10 OCT. 2012

B I L L O F L A D I N G

Ship From: THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 9057389033

No: PEC 789038
Ship Date 09Oct12 at 13:18 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

5) Our Order PEC-497102- 5 Your PO # 18068

ALUMINUM FLAT BAR 6061-T6511

.250" x 6.00" X 144.0000"

Heat Number
65016 100

Tag No
111521

Quantity
36 FT

PCS
3

Wt LBS
65

6) Our Order PEC-497102- 6 Your PO # 18068

ALUMINUM FLAT BAR 6061-T6511

.375" x 1.00" X 144.0000"

1 PC B.O

Heat Number
HK067 814

Tag No
534488

Quantity
36 FT

PCS
3

Wt LBS
16

7) Our Order PEC-497102- 7 Your PO # 18068

ALUMINUM FLAT BAR 6061-T6511

.625" x 2.50" X 144.0000"

Heat Number
201209894

Tag No
111525

Quantity
12 FT

PCS
1

Wt LBS
22

8) Our Order PEC-497102- 8 Your PO # 18068

ALUMINUM FLAT BAR 6061-T6511

.125" x .750" X 240.0000"

Heat Number
1261341B

Tag No
111485

Quantity
100 FT

PCS
5

Wt LBS
11

9) Our Order PEC-497102- 9 Your PO # 18068

ALUMINUM FLAT BAR 6061-T6511

1.00" x 2.00" X 144.0000"

Heat Number
HK104 143

Tag No
111526

Quantity
24 FT

PCS
2

Wt LBS
57

10) Our Order PEC-497102- 10 Your PO # 18068

ALUMINUM FLAT BAR 6061-T6511

.625" x 1.50" X 144.0000"

Page: 2Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

10 OCT. 2012

B I L L O F L A D I N G

No: PEC 789038

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 9057389033

Ship Date 09Oct12 at 13:18 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

Heat Number	Tag No	Quantity	PCS	Wt LBS
201214546	111528	12 FT	1	14

11) Our Order PEC-497102- 11 Your PO # 18068
ALUMINUM FLAT BAR 6061-T6511
.187" x 4.00" X 240.0000"

Heat Number	Tag No
HK717 205	111487

MTR'S
Quantity
60 FT

PCS	Wt LBS
3	52

12) Our Order PEC-497102- 12 Your PO # 18068
ALUMINUM FLAT BAR 6061-T6511
2.00" x 2.50" X 144.0000"

Heat Number	Tag No
HK118 102	111529

MTR'S
Quantity
12 FT

PCS	Wt LBS
1	70

13) Our Order PEC-497102- 13 Your PO # 18068
ALUMINUM SHEET 6061 T6
.0810 Nom X 48.0000" X 144.0000"

Heat Number	Tag No
25872/01/00	111612

MTR'S
Quantity
288.00 SFT

PCS	Wt LBS
6	315

14) Our Order PEC-497102- 14 Your PO # 18068
ALUMINUM SHEET 6061 T6
.0910 Nom X 48.0000" X 144.0000"

Heat Number	Tag No
27049/01/00	111614

MTR'S

Quantity
96.00 SFT

PCS	Wt LBS
2	119

15) Our Order PEC-497102- 15 Your PO # 18068
ALUMINUM SHEET 6061 T6
.1250 Nom X 48.0000" X 144.0000"

Heat Number	Tag No
25875/01/00	111615

MTR'S
Quantity
144.00 SFT

PCS	Wt LBS
3	251

TOTAL:	Tags	PCS	LBS
	16	43	1437

Page: 3Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

18 OCT. 2012

Ship From: B I L L O F L A D I N G
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 9057389033

No: PEC 789038
Ship Date 09Oct12 at 13:18 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

Heat Number
201209894
25872/01/00
27049/01/00
3S989
A11817
HK036 219
HK067 814
HK104 143
HK118 102
HK717 205
UZ118173

*** Chemical Analysis ***

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

TOTAL 2 BDLS 2 SKIDS G.W 1712 LBS

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***

**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

Page: 4 Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

10 OCT. 2012

DATE

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL FLAT BAR 303CD /
1.00" X 3.00" X 96.0000"
PART NO.

PO/Rel 18068

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-789038-001

9Oct12

Signed by: _____ Pg 1/1



575 STATE FAIR BLVD.
SOLVAY, NY 13209

Certificate of Test

Cert Date: 03/13/12

S O L D
COPPER & BRASS SALES INC
22355 WEST ELEVEN MILE ROAD
SOUTHFIELD, MI 48034

S H I P
COPPER & BRASS SALES
8001 THYSSENKRUPP PARKWAY
NORTHWOOD, OH 43619

CIL ORDER NO.
P5-24777-1-01

HEAT NO.
A11817

CIL INSIDE SALES REP.
L HINMAN

SHIPPED FROM
SOLVAY, NY USA

CUSTOMER P.O.
5400123224-R02

CUSTOMER PART NO.
SSREC00034

QUANTITY SHIPPED 1654 LBS.

DESCRIPTION OF MATERIAL

SIZE
CPU 303 CDA / 3.000 X 1.000 FLAT
AMS-5640-U ASTM-A320-11 ASTM-A484-11 ASTM-A582-5

CHEMICAL ANALYSIS

C	MN	P	S	SI	NI	CR	MO	CU
.066	1.68	.032	.300	.58	8.92	17.34	.47	.38

AS SHIPPED PROPERTIES

HARDNESS

BHN 198/201
TENSILE PSI 77,770
YLD. 2% PSI 47,500
% ELONG4D 48.4
RED/AREA% 61.5

AS SHIPPED MATERIAL CONDITION

MATERIAL ANNEALED AT 1950 DEG. F. - WATER QUENCHED.

ADDITIONAL MATERIAL STATEMENTS

ELECTRIC FURNACE AOD MELTED

DAS
14
2-83 / 12/10/11

THANK YOU FOR SELECTING A QUALITY PRODUCT MELTED AND MANUFACTURED WITH PRIDE AT CRUCIBLE INDUSTRIES LLC LOCATED IN SOLVAY, NY 13209, USA. WE PROVIDE MATERIAL THAT IS FREE FROM MERCURY CONTAMINATION AND RADIATION AT THE TIME OF SHIPMENT. NO WELD REPAIR IS DONE. CRUCIBLE INDUSTRIES LLC HOLDS A CERTIFICATE OF REGISTRATION TO ISO 9001:2008, PRESSURE EQUIPMENT DIRECTIVE (PED) 97/23/EC 7/2 ANNEX 1, PARAGRAPH 4.3 AND WORKS UNDER THE GUIDELINES OF NCA 3800 USING QP MANUAL DATED 3/10/11. WE ARE COMPLIANT WITH EU DIRECTIVE 2002/95/EC (ROHS), REACH EN 10204 2004 3.1, AND DFARS 252.225.7001, 7002, 7008, 7009. MATERIAL IS OF NAFTA ORIGIN. MATERIAL TESTING IS PERFORMED ON A PROLONGATION OF THE BAR, IN COMPLIANCE WITH INDUSTRY STANDARDS ASTM A370, E8, E10, E18, E23, E45, E112, E381, E604, E572, E1019, AND E1098. THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES, INCLUDING FEDERAL LAW, TITLE 18, CHAPTER 47 PRODUCTS, TECHNICAL DATA, TECHNOLOGY, AND SERVICES OF CRUCIBLE INDUSTRIES LLC ARE SUBJECT TO U.S. EXPORT CONTROLS UNDER THE APPLICABLE LAWS AND REGULATIONS OF THE UNITED STATES.

THE ABOVE MATERIAL WAS MANUFACTURED AND TESTED ACCORDANCE WITH ABOVE SPECIFICATIONS AND IS IN CONFORMANCE WITH THE SPECIFICATION REQUIREMENTS.
CRUCIBLE INDUSTRIES LLC

CERTIFIED BY

William P. Mastroe

Page 1 of 1

From: Copper and Brass Sales

WILLIAM MASTROE - MANAGER QUALITY CONTROL & LABS

Cust: THYSSENKRUPP MATERIALS NA - ECAD Del: 2401765125

Part:

PO: PEC - 236914

Wgt: 82.186 LB

Date: 03/21/2012

James K. Baber

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL HEX BAR 303 STAINLESS
 .50" HEX X 144.0000"
 PART NO.

PO/Rel 18068

We certify that this is a true copy of the report
 furnished by the producer of the metal, or data
 resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-789038-002

9Oct12

Signed by: _____ Pg 1/1

MILL TEST REPORT

TA CHEN INTERNATIONAL, INC.

This MTR contains 1 page (Page# 1)

Customer: COPCON PO#:PEC-238824 SO#:PM4880

MTR#:WLRBA1202220220.

Item:HB030032 Bundle:WL12008005 Heat#:3S989



INSPECTION CERTIFICATE

WALSH LIHWA CORP. YENSHUI PLANT

YENSHUI PLANT
 YENSHUI PLANT
 YENSHUI PLANT
 YENSHUI PLANT
 YENSHUI PLANT

CUSTOMER: TA CHEN STAINLESS PIPE CO., LTD.

ORDER NO.: 100120003/L34910

LC NO:

COMMODITY: Stainless Steel Cold Drawn Hexagonal Bar (H)

SPECIFICATION: 303

SUPPLY CONDITION: CD

CERTIFICATE NO: A1202220220

DATE OF ISSUE: 2012/02/20

Heat No	THICK (mm)	Pos	Wt	Chemical Composition(wt%)												Mechanical Property					BUNDLE NO.
			(LBS)	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N			TS	YS	EL	RA	HB	
				x100	x100	x100	x1000	x1000	x100	x100	x100	x100	x10000			N/mm2	N/mm2	%	%		
Spec	Min	Max																			
3S989	1.2	265	2351	5.4	23	195	25	331.2	850	1758	12	49	200			770	645	15	20	98	FL12008005
3S989	1.2	247	2211	5.4	23	195	25	331.2	850	1758	12	49	200			770	645	15	20	98	FL12012012
Total			4592																		

TOLERANCE: A484

LENGTH TOLERANCE: 0-30

Acc. to ASTM A592-05 Cond.A.

Acc. to ASTM A58 5640 type 1/CD-S-764 chemistry only.

Remark:

This inspection is issued acc. to EN 10204 3.1/DIN 50049 3.1
 Solution annealed treatment :Acc. to ASTM A484-10.
 Macro & micro structure: good. Grain size: Acc. to ASTM E112.
 Melted manufactured : Taiwan , Improved machining.
 Microstructure free from continuous grain boundary
 carbide precipitation as per ASTM A262 A & E.

1. We hereby certify that material described herein has been manufactured and tested with satisfactory results in accordance with requirement of the above material specification.
2. We certify that the material is free from mercury and radiation contamination. Qualification No. of Taiwan Atomic Energy Committee: 136
3. The Above Testing Results Relate Only To The Items Tested.

SUPPLY CONDITION:

A: Annealed
 B: Shot Blasted
 C: As Casted
 E: Reel/Skin Pass
 H: Precipitation Hardening
 HR: Hot Rolled
 I: Straightened
 K: Cut Edge
 L: Polished
 M: Cold Rolled
 P: Pickled
 S: Shaved
 V: Slit
 W: Cut
 X: Temper
 CD: Cold Draw
 CG: Centerless Ground
 PL: Turned or Peeled

1. Laboratory accredited by: ISO/IEC 17025:2005
2. Quality management system approval by: TÜV ISO9001:2008 and AD2000-Werkblatt WD Certificate NO.011008225836
 PED: 97/23/EC Certificate NO.01202 ROC/Q-02-C016
3. Manufacture system approved: DMV Certificate NO. AMW-3568
4. Steelmaking and semi-finished approval: LR Certification No. MD00/3063/0003/1
5. Environment management system approval by: TÜV ISO14001:2004 Certificate NO.011048226145

TEST METHOD :

SL Kaan.

Quality Assurance Responsible Personnel

DAS
 14
 2-89 12/10/11

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL SHEET 304-2B
 .0480 Nom X 48.0000" X 96.0000"
 PART NO.

PO/Rel 18068

We certify that this is a true copy of the report
 furnished by the producer of the metal, or data
 resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-789038-003

9Oct12

Pg 1/1

Signed by: _____

A company
 of ThyssenKrupp
 Stainless

ThyssenKrupp Mexinox



TEST REPORT (CERTIFICADO)

CUSTOMER (CLIENTE)

MEXINOX USA

MILL ORDER No. No. DE PEDIDO	6721 - 1	PACKAGE (EMPAQUE) No. 80908611 00
CUSTOMER PURCHASE ORDER No.		DATE (FECHA) JUN-11-11
CODE PART NUMBER		REPORT (CERTIFICADO) No. FR9818

PRODUCT IDENTIFICATION IDENTIFICACION DEL PRODUCTO

ITEM No.	COIL No. No. DE ROLLO	PIECES PIEZAS	HEAT COLADA No.	TYPE AND FINISH TIPO Y ACABADO	DIMENSIONS DIMENSIONES	GROSS WT. PESO BRUTO	NET WT. PESO NETO
1	201525 00BA	1	0602414	304 / 2B UNS S30400	48.00 X COIL X .0480 1219.20 X ROLLO X 1.220	18,010 7,262	15,931 7,228

CHEMICAL COMPOSITION COMPOSICION QUIMICA (%)

ITEM	C	Cr	Mn	N	NI	P	S	SI	OTHER ELEMENTS (OTROS ELEMENTOS)
1	.0460	18.1000	1.2700	.0530	8.0400	.0250	.0010	.3300	

MECHANICAL PROPERTIES PROPIEDADES MECANICAS

ITEM No.	TEST No. No. MUESTRA	D	TENSILE S. R. TENSION	YIELD S. R. FLUENCIA	ELONGATION ALARGAMIENTO	HARDNESS DUREZA HRB
1	A899891 A899890	L	83694 psi 646 MPa	45386 psi 313 MPa	53.6	(HEAD / TAIL) 82.0 / 83.0

THIS MATERIAL IS DPARS 225.872-1 CLAUSE COMPLIANT. HEAT SOURCE: ITALY
 TEST OF INTERGRANULAR CORROSION / PRUEBA DE CORROSION INTERGRANULAR : OK
 THIS MATERIAL COMPLIES WITH CHEMICAL COMPOSITION ACCORDING TO ASTM A 240/A 240M-11a STD. NOM, AND IT COMPLIES ALSO WITH
 THE MECHANICAL AND CHEMICAL PROPERTIES ESTABLISHED IN THE FOLLOWING STDS. :
 MECHAN. PROP. ASTM A666-03 ASME SA240-07, QQ-S-766-D, MIL-S-5059-D,
 AMS 5513J,

"THIS MATERIAL IS FREE OF MERCURY CONTAMINATION"



We hereby certify that in recognition of the terms and conditions set forth in
 the EU ROHS Directive -2002/95/EC, we can insure that all of our products and
 processes fully comply with it.

HECHO EN MEXICO / MADE IN MEXICO

ELABORATED BY
 Carlos Balderas Salazar

PRINTED: 13:15:34 JUL-18-11

FORMATO No. 30-627-02 Rev. 2

DAS 12/10/11
 14
 8:03

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL SHEET 304-2B
 .0480 Nom X 48.0000" X 96.0000"
 PART NO.

PO/Rel 18068

We certify that this is a true copy of the report
 furnished by the producer of the metal, or data
 resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-789038-003

9Oct12

Pg 1/1

**LIANZHONG STAINLESS
 STEEL CORP.**

OLBERT METAL SALES LIMITED

MILL TEST CERTIFICATE

EN 10204-3.1

TÜVRheinland

No.1 Lianzhong Road, East Section, Economy & Technology
 Development Zone, Guangzhou, China
 TEL: +86-20-32108888
 FAX: +86-20-32108832

B11059A36

ORIGINAL

Customer

F80001

Customer No.

UA1012004

Order No.

Product COLD ROLLED STAINLESS STEEL SHEET IN COIL NO. 2B
 FINISH

Specification/Steel Grade: ASTM A240-09 S30400
 Surface Finish: (No. 2B)

Certificate No.

With consent of TÜV, Certificate no. 01 202 CHUG-10 0091, dated April 10, 2010

2011-FEB-28

PED 97/23/EC

Requirements

Page

1 / 1

Test Temp.

22°C

Product ID	Heat No.	Dimension	QTY	Weight(Kg)	Test
12S709718A	02118173	0.0480 inch * 48	1	7.661	OK
12S709718B	02118173	0.0480 inch * 48	1	7.825	OK
				Subtotal 15.486	

Product ID	Chemical Composition							
	C	Si	Mn	P	S	Ni	Cr	N
Max./Max.	0.070	0.75	2.00	0.045	0.030	10.50	19.50	0.100
12S709718A	0.043	0.58	0.83	0.041	0.002	8.00	18.13	0.062
12S709718B	0.043	0.58	0.83	0.041	0.002	8.00	18.13	0.062

Specimen No.	Proof stress (N/mm²)		Tensile Stress (N/mm²)	Elong. (%)	Hardness Test	
	0.2%	1.0%			HRB	HV
12S709718A	205	310	515	40	92	172
12S709718B	310	347	598	54	85	172

1. Test Method:
 1.1 Tensile Test: EN 10002-1:2001
 1.2 AC Test: Method A of EN ISO 3651-2:1998
 2 Positive material Identification conducted
 3 The heat treatment temp. is around 1050°C±50°C,
 the recrystallization annealing temp. is around 1100°C±50°C.

1. We hereby certify that the material described herein has been manufactured and tested in accordance with the a.m. material specifications.
 2. We hereby certify that on the material described above no radiation contamination has been detected.
 3. LISCO has established a QMS according to ISO 9001, which is certified by DNV CERT (reg.-no: 3563-2007-AQ-RGC-RVA).
 4. The report can only be reproduced in full.

Marking:
 Heat No.
 Product ID
 Steel grade
 Manufacturers mark

Works Inspector's Stamp

Works Inspector

CHI LUNG LUNG

LZJA-A-0004 第2版 2010-05-01

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

.250" x 2.00" X 144.0000"

PART NO.

PO/Rel 18068

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-789038-004

90c12

Signed by:

Pg 1/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CUSTOMER PO NUMBER: PEC-240730-1		CUSTOMER PART NUMBER: ALREC00289		PRODUCT DESCRIPTION: .250 X 2.000 SC RECT BAR	
KAISER ORDER NUMBER: 624420	LINE ITEM: 001	SHIP DATE: 07/20/2012	KAISER LOT NUMBER: HK036 219	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 1016.000 LB	QUANTITY: 144.000 PCS	B/L NUMBER: 603951	DIA/WD/AF/THKNS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
HK036 219	0001	1	46.0	42.6	14.4	WB 16	N/A	N/A
HK036 219	0001	10	47.9	43.7	15.1	WB 16	N/A	N/A
HK036 219	0001	2	45.4	42.1	13.6	WB 16	N/A	N/A
HK036 219	0001	3	45.9	42.6	13.4	WB 166	N/A	N/A
HK036 219	0001	4	48.2	46.5	12.5	WB 16	N/A	N/A
HK036 219	0001	5	45.8	42.9	12.6	WB 16	N/A	N/A
HK036 219	0001	6	45.1	40.9	12.4	WB 16	N/A	N/A
HK036 219	0001	7	42.0	37.9	13.4	WB 16	N/A	N/A
HK036 219	0001	8	42.4	38.1	15.1	WB 16	N/A	N/A
HK036 219	0001	9	45.4	41.1	15.1	WB 16	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
H42537	.77	.48	.24	.09	.89	.09	.08	.02	.01	.02	.00	.01	.04

Applicable Requirements:

ASTM-B221-12 STENCILED ASME-SE221 1998 SECT II AMS-QQ-A-200/8 (2007) UNS#A96061
(T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA (SHERMAN, TX) MELTED IN USA

DAS
14
9-89 12/10/11

Plant Serial: 00052149

Kaiser Order Number: 624420

Line Item: 001

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

.250" x 2.00" X 144.0000"

PART NO.

PO/Rel 18068

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-789038-004

90a12

Signed by: _____

Pg 2/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Calvin Latting, Quality & Technology Manager

Calvin Latting

Plant Serial: 00052149

Kaiser Order Number: 624420

Line Item: 001

Page 2 of 2

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
 .250" x 6.00" X 144.0000"
 PART NO.

PO/Rel 18068

We certify that this is a true copy of the report
 furnished by the producer of the metal, or data
 resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-789038-005

90cr12

Signed by: _____ Pg 1/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
 FABRICATED PRODUCTS, LLC
 5205 KAISER DRIVE
 KALAMAZOO, MI 49048

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CUSTOMER PO NUMBER: PEC-241179-1		CUSTOMER PART NUMBER: ALREC00892		PRODUCT DESCRIPTION: .250 X 6.000 PRECISION WIDE BAR	
KAISER ORDER NUMBER: 626071	LINE ITEM: 001	SHIP DATE: 08/14/2012	KAISER LOT NUMBER: 65016 100	ALLOY: 6061	TEMPER: T6511B
WEIGHT SHIPPED: 1016.000 LB	QUANTITY: 48.000 PCS	B/L NUMBER: 604159	DIAM/DIA/THKNS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
65016 100	0001	0001	48.7	45.4	15.6	RE 96	N/A	N/A
65016 100	0001	0002	48.7	45.0	17.4	RE 95	N/A	N/A
65016 100	0001	0003	48.4	43.8	15.8	RE 96	N/A	N/A
65016 100	0001	0004	48.6	45.1	15.5	RE 97	N/A	N/A
65016 100	0001	0005	47.5	42.7	17.4	RE 95	N/A	N/A
65016 100	0001	0006	47.6	43.6	10.1	RE 96	N/A	N/A
65016 100	0001	0007	48.0	44.3	10.5	RE 96	N/A	N/A
65016 100	0001	0008	49.6	45.7	18.1	RE 98	N/A	N/A
65016 100	0001	0009	49.6	45.5	17.5	RE 98	N/A	N/A
65016 100	0001	0010	47.7	43.8	16.9	RE 98	N/A	N/A
65016 100	0001	0011	48.3	44.9	15.6	RE 97	N/A	N/A
65016 100	0001	0012	47.4	43.7	15.4	RE 96	N/A	N/A
65016 100	0001	0013	47.4	44.6	16.0	RE 97	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.30	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
A32988	.68	.29	.25	.08	.96	.08	.02	.02	.00	.00	.00	.00	.01
A32973	.71	.29	.28	.09	.97	.08	.03	.02	.00	.00	.00	.00	.01
A32956	.69	.28	.27	.07	.96	.09	.02	.02	.00	.00	.00	.00	.01
A32955	.70	.28	.27	.07	.97	.09	.02	.02	.00	.00	.00	.00	.01

Applicable Requirements:

PER ASTM-B221-12, STENCILED ASME-SB221 1998 SECT II PER AMS-QQ-A-200/8 (2007) UNS#
 A96061 MEETS ALL SPECIFICATION REQUIREMENTS FOR 6061-T6511/T6 ELEVATED MINIMUM
 MECHANICAL PROPERTIES AS FOLLOWS: UTS = 42.0 KSI MIN YIELD = 38.0 KSI MIN ELONGATION
 = 10.0% MIN

DAS
 14
 9-89 12/10/11

Plant Serial: 00055541

Kaiser Order Number: 626071

Line Item: 001

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

.250" x 6.00" X 144.0000"

PART NO.

PO/Rel 18068

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-789038-005

90ct12

Signed by: _____

Pg 2/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048



CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

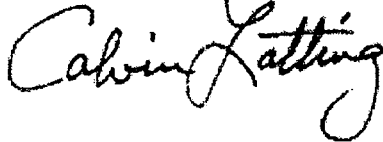
Miscellaneous Notes

MANUFACTURED IN USA (COMMERCE,CA) MELTED IN USA

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Calvin Latting, Quality & Technology Manager



DAS
14
2-89 12/10/11

Plant Serial: 00055541

Kaiser Order Number: 626071

Line Item: 001

Page 2 of 2

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

.375" x 1.00" X 144.0000"

PART NO.

PO/Rel 18068

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-789038-006

9Oct12

Signed by:

Pg 1/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CUSTOMER PO NUMBER: PEC-241250-8		CUSTOMER PART NUMBER: ALREC00208		PRODUCT DESCRIPTION: .375 X 1.000 SC RECT BAR	
KAISER ORDER NUMBER: 626152	LINE ITEM: 008	SHIP DATE: 08/16/2012	KAISER LOT NUMBER: HK067 814	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 508.000 LB	QUANTITY: 96.000 PCS	B/L NUMBER: 604187	DIAM/DAF/THKNS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
HK067 814	0001	C001	48.9	46.3	19.1	RE 97	N/A	N/A
HK067 814	0001	C002	49.0	46.4	17.8	RE 97	N/A	N/A
HK067 814	0001	C003	49.0	46.4	19.4	RE 97	N/A	N/A
HK067 814	0001	C004	49.0	45.6	16.5	RE 98	N/A	N/A
HK067 814	0001	C005	49.2	46.2	17.3	RE 98	N/A	N/A
HK067 814	0001	C006	48.5	46.0	18.1	RE 98	N/A	N/A
HK067 814	0001	C007	49.0	46.4	16.1	RE 98	N/A	N/A
HK067 814	0001	C008	49.0	46.3	18.2	RE 98	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.60	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
A32985	.73	.28	.27	.09	.98	.08	.01	.02	.00	.00	.00	.01	.01

Applicable Requirements:

ASTM-B221-12 STENCILED ASME-SB221 1998 SECT II AMS-QQ-A-200/8 (2007) UNS#A96061
(T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA (COMMERCE, CA) MELTED IN USA

DAS
14
2-89 12/10/11

Plant Serial: 00055957

Kaiser Order Number: 626152

Line Item: 008

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

.375" x 1.00" X 144.0000"

PART NO.

PO/Rel 18068

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-789038-006

9Oct12

Signed by: _____ Pg 2/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

Beck

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Calvin Latting, Quality & Technology Manager

Calvin Latting

DAS
14
2-89 12/10/11

Plant Serial: 00055957

Kaiser Order Number: 626152

Line Item: 008

Page 2 of 2

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
.625" x 2.50" X 144.0000"
PART NO.

PO/Rel-18068

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by: _____

Certificate of Mill Test Results

BL PEC-789038-007

9Oct12
Pg 1/1



SERVICE CENTER METALS
5850 Quality Way
Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER	ITEM
152110	7

BILL TO

ThyssenKrupp Materials NA

SHIP TO

ThyssenKrupp Materials NA PEC

Quantity Certified 926 lbs 42 pcs

MANIFEST NUMBER

161536

CUSTOMER PO

PEC-239616

CUSTOMER PART NUMBER

RB0107

DIE NUMBER

RB0107

ALLOY / TEMPER

6061-T6511

DESCRIPTION

SCRB .625x2.500

DATE OF SHIPMENT

6/8/2012

SALESPERSON

David Schroeder

CERTIFICATION

ASTM-B221-12 StencilContinuous

SPECIFICATION

AMS-QQA-200/8-07

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. SCA extrusions are manufactured in the USA.

Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6

Mechanical Properties

Tests	Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
1	201209894	06/06/12	46.4	43.6	14.0

DAS 14 12/10/11

Chemical Composition for Aluminum Alloy 6061

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	AL	Others Each	Total	Melt Source:
0512193	6061	0.77	0.35	0.31	0.10	0.86	0.10	0.04	0.02	97.45	0.05	0.15	United States of America

Calvin J. Wiggins

Print Date: 6/8/2012

Calvin J. Wiggins Director of Quality & Technical Services

Rev. 9/23/11 - LMS

THYSSENKRUPP MATERIALS NA

DART AÉROSPACE

ALUMINUM FLAT BAR 6061-T6511

.125" x .750" X 240.0000"

PART NO.

PO/Rel 18068

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-789038-008

9Oct12

Signed by:

Pg 1/1

CAN ART

ALUMINUM EXTRUSION INC.

Material Test Report

Manifest: 248206

Ship To: ThyssenKrupp Materials NA
2821 Langstaff Road
Concord, ON L4K 5C6

Ticket:
5267544

Our Order: **386746 - 2**

Cust P.O.: 240190

Die: ES05485

Part: 05485-000-240

Alloy Temper: 6061 T6511 / Description: .125 x .750

Print Date: 7/18/12

Chemical Composition Range

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	OtherEach	OtherTotal
Min	0.40		0.15		0.8	0.04				
Max	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	0.05	0.15

Mechanical Properties

Strength ksi

Sample ID	Cast #	Lot #	Test Date	Ultimate Tensile	Yield 2% offset	Elongation 2" gage length
130789	1261341B	B11	7/18/12	41.51	38.42	10.3

Applicable Specifications ASTMB221-08 QQA200/8

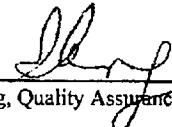
Country of Origin: 85 Parkshore Drive, Brampton, Ontario CANADA L6T 5M1

DAS
14
2-89 12/10/11

Can Art Aluminum Extrusion Inc. certifies that materials shipped under this order have been inspected and tested in accordance with Aluminum Association and agreed upon customer specifications. Can Art assumes no liability for additional costs which may be incurred during the customer's manufacture and sale of its products, and is subject only to the replacement of any materials not within agreed upon specifications provided written notification is received by Can Art within 30 days from the date of shipment.

Ray Hussain - Tensile Testing

Authorized:


Evan Eng, Quality Assurance Mgr.

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
1.00" x 2.00" X 144.0000"
PART NO.

PO/Rel 18068

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-789038-009

90cr12

Signed by: _____

Pg 1/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-241958-1		CUSTOMER PART NUMBER: B22/STK		PRODUCT DESCRIPTION: 1.000 X 2.000 SC RECT BAR	
KAISER ORDER NUMBER: 627965	LINE ITEM: 001	SHIP DATE: 09/14/2012	KAISER LOT NUMBER: HK104 143	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 1016.000 LB	QUANTITY: 36.000 PCS	B/L NUMBER: 604416	DIAM:DAF/THKNS:	WIDTH:	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
HK104 143	0001	1	52.1	46.7	20.0	RE 96	N/A	N/A
HK104 143	0001	2	55.7	50.3	13.5	RE 96	N/A	N/A
HK104 143	0001	4	51.3	46.4	17.3	RE 96	N/A	N/A
HK104 143	0001	5	55.2	49.8	17.4	RE 96	N/A	N/A
HK104 143	0001	6	51.9	46.7	17.4	RE 96	N/A	N/A
HK104 143	0001	7	50.3	44.7	14.4	RE 96	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
H42638	.78	.37	.28	.09	.95	.09	.06	.01	.01	.02	.00	.01	.03

Applicable Requirements:

ASTM-B221-12 STENCILED ASME-SB221 1998 SECT II AMS-QQ-A-200/8 (2007) UNS#A96061
(T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA (SHERMAN, TX) MELTED IN USA

DAS
14
9-89 12/10/11

Plant Serial: 00059560

Kaiser Order Number: 627965

Line Item: 001

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

1.00" x 2.00" X 144.0000"

PART NO.

PO/Rel 18068

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-789038-009

90cr12

Signed by: _____ Pg 2/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048



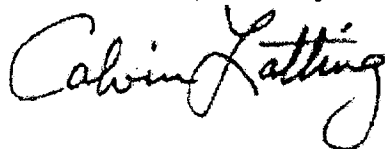
CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Calvin Lutting, Quality & Technology Manager



DAS
14
9-83

12/10/11

Plant Serial: 00059560

Kaiser Order Number: 627965

Line Item: 001

Page 2 of 2

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

.625" x 1.50" X 144.0000"

PART NO.

PO/Rel 18068

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by: _____

Certificate of Mill Test Results

BL PEC-789038-010

9Oct12

Pg 1/1



SERVICE CENTER METALS

5850 Quality Way

Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER	ITEM
157130	1

BILL TO

ThyssenKrupp Materials NA

SHIP TO

ThyssenKrupp Materials NA PEC

Quantity Certified 582 lbs 44 pcs

MANIFEST NUMBER

167920

CUSTOMER PO

PEC-241401

CUSTOMER PART NUMBER

RB0105

DIE NUMBER

RB0105

ALLOY / TEMPER

6061-T6511

DESCRIPTION

SCRB .625x1.500

DATE OF SHIPMENT

8/29/2012

SALESPERSON

David Schroeder

CERTIFICATION

ASTM-B221-12 StencilContinuous

SPECIFICATION

AMS-QQA-200/8

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. SCM extrusions are manufactured in the USA.

Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6

Mechanical Properties

Tests	Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
1	201214546	08/23/12	52.8	48.7	15.6

DAS 14 12/10/11

Chemical Composition for Aluminum Alloy 6061

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Others Each	Total	Melt Source:
080924	6061	0.76	0.34	0.30	0.09	0.84	0.09	0.09	0.02	97.47	0.05	0.15	United States of America

Calvin J. Wiggins

Print Date: 8/29/2012

Calvin J. Wiggins, Director of Quality & Technical Services

Rev. 8/23/11 - UMS

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

.187" x 4.00" X 240.0000"

PART NO.

PO/Rel 18068

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-789038-011

90cr12

Signed by: _____

Pg 1/1

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CUSTOMER PO NUMBER: PEC-240407-10		CUSTOMER PART NUMBER: C8970/20		PRODUCT DESCRIPTION: BSE 0.187X4.000	
KAISER ORDER NUMBER: 623631	LINE ITEM: 010	SHIP DATE: 08/10/2012	KAISER LOT NUMBER: HK717 205	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 1131.000 LB	QUANTITY: 64.000 PCS	B/L NUMBER: 604130	DIAM/DIA/THKNS: 	WIDTH: 	LENGTH: 20.000 FT
SHIP TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
HK717 205	0C01	0001	43.7	38.7	15.8	RE 92	N/A	N/A
HK717 205	0C01	0002	45.5	40.7	15.7	RE 94	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
A33000	.60	.24	.24	.04	.98	.05	.02	.01	.00	.00	.00	.00	.01

Applicable Requirements:

ASTM-B221-12 STENCILED ASME-SB221 1993 SECT II AMS-QQ-A-200/8 (20C7) UNS#A96061
(T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA (COMMERCE,CA) MELTED IN USA

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Calvin Lattling, Quality & Technology Manager

Calvin Lattling

DAS
14
2-89 12/10/11

Plant Serial: 00055029

Kaiser Order Number: 623631

Line Item: 010

Page 1 of 1

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

2.00" x 2.50" X 144.0000"

PART NO.

PO/Rel 18068

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-789038-012

90Oct12

Signed by: _____

Pg 1/1

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CUSTOMER PO NUMBER: PEC-241853-5		CUSTOMER PART NUMBER: 020439-6		PRODUCT DESCRIPTION: 2.000 X 2.500 SC RECT BAR	
KAISER ORDER NUMBER 627611	LINE ITEM: 005	SHIP DATE: 09/07/2012	KAISER LOT NUMBER: HK118 102	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 988.000 LB	QUANTITY: 14.000 PCS	B/L NUMBER: 604343	DIA/M/DIA/THKNS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
HK118 102	0001	1	54.1	49.8	14.6	RE 94	N/A	N/A
HK118 102	0001	2	53.5	42.5	14.6	RE 94	N/A	N/A
HK118 102	0001	3	52.3	47.9	17.1	RE 92	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.60	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
H42734	.68	.47	.24	.10	.88	.09	.04	.02	.01	.05	.00	.01	.03

Applicable Requirements:

ASTM-B221-12 STENCILED ASME-SB221 1993 SECT II AMS-QQ-A-200/8 (2007) UNS#A96C61
(T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA (SHERMAN, TX) MELTED IN USA

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Calvin Latting, Quality & Technology Manager

Calvin Latting

DAS
14
9-89

12/10/11

Plant Serial: 00058491

Kaiser Order Number: 627611

Line Item: 005



Abnahmeprüfzeugnis 3.1 (EN 10204) Inspection certificate – mill certificate

Nr.: 85289222 02 / 7

Rev. 0

Seite / page: 1 von / of 2

Datum / date: 2012 02 15

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 9100, ISO 14001, NADCAP

Auftraggeber / customer: ThyssenKrupp Materials NA 2821 Langstaff Rd CDN-L4K 5C6 CONCORD, ON	Bestell-Nr. / order no.: PEC-236262
	Datum / date: 2012 01 19
Warenempfänger / consignee: ThyssenKrupp Materials NA 2821 Langstaff Rd CDN-L4K 5C6 CONCORD, ON	Auftragsbest. Nr. / order confirm. no.: 636296
	Datum / date: 2012 01 20
Endkunde, Bestell-Nr. / Your cust., ord. no.:	Lieferschein Nr. / delivery note: 85289222
	Datum / date: 2012 02 29
	Akkreditiv Nr. / letter of credit no.:

Produkt/product	Bedingungen/terms
Form / form: Sheet Werkstoff / material: 6061 Zustand / temper: T6 Dim. / dim: [inch]: 0,080x48,00x144,00 Kundenartikel-Nr / customer article no.:	Techn. Lieferbedingungen / techn. spec.: AMS-QQ-A-250/11, 08.1997 ASTM B 209 - 07 Material meets also the mech. properties of AMS 4027N, 07.2008, but not marked ANSI H35.2-2009 ASME SB 209, 2007 Sondervorschrift / special terms:

AB-Pos. ord.-item.	BNr/Los/Teillos Lot/No./Part	Guss Nr. cast no.	Werkstoff material	Kollo packno.	Gewicht netto weight net	Stk. pcs.
02	25872/01/00	01/0047294/1	6061.1	6362960002	4029,982 lbs	77

Chemische Zusammensetzung / chemical composition: [%] Gewichtsanteile / weight proportion (OES)											
Guss Nr. / cast no.	AMAG designation	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	
01/0047294/1	6061.1										
	actual	0,65	0,48	0,23	0,11	0,91	0,18	0,01	0,04	0,06	

Zugversuch / Tensile test										
BNr/Los Lot/No.	Zustand temper	Richtung direction			Rm [ksi]	Rp0.2 [ksi]	A2" [%]			
25872/01	T6	LT			47,0	39,2	16			
25872/01	T6	LT			47,1	39,2	15			
25872/01	T6	LT			47,3	39,3	15			
25872/01	T6	LT			47,0	39,2	16			
25872/01	T6	LT			46,8	39,0	16			
25872/01	T6	LT			46,7	38,9	15			
25872/01	T6	LT			46,7	38,9	15			
25872/01	T6	LT			46,8	39,0	16			
25872/01	T6	LT			46,6	38,7	15			

Das
 14
 2-89 12/10/11

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SHEET 6061 T6

.0810 Nom X 48.0000" X 144.0000"

PART NO.

PO/Rel 18068

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-789038-013

9Oct12

Signed by: _____ Pg 2/2



Abnahmeprüfzeugnis 3.1 (EN 10204) Inspection certificate – mill certificate

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 9100, ISO 14001, NADCAP

Nr.: 85289222 02 / 7

Rev. 0

Seite / page: 2 von / of 2

Datum / date: 2012 02 15

Es wird bestätigt, dass die Lieferung geprüft wurde und den Vereinbarungen bei der Bestellung entspricht.
We hereby certify that the material described above has been tested and complies with the terms of the order
contract.

Werkssachverständiger / factory specialist	E-Mail / e-mail
Josef Klampfer	j.klampfer@amag.at

Herstellerland: Österreich / goods origin: The goods are of Austrian origin.
Maschinell erstellt - Gültig ohne Unterschrift / Automated - valid without being signed.

AMAG rolling GmbH, Postfach 32, A-5282 Ranshofen, Österreich – www.amag.at
AMAG rolling GmbH, P.O. Box 32, A-5282 Ranshofen, Austria – www.amag.at



Abnahmeprüfzeugnis 3.1 (EN 10204) Inspection certificate – mill certificate

Nr.: 85282350 01 / 1

Rev. 0

Seite / page: 1 von / of 2

Datum / date: 2012 04 23

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 9100, ISO 14001, NADCAP

Auftraggeber / customer: ThyssenKrupp Materials NA 2821 Langstaff Rd CDN-L4K 5C6 CONCORD, ON	Bestell-Nr. / order no.: PEC-237401
	Datum / date: 2012 03 05
Warenempfänger / consignee: ThyssenKrupp Materials NA 2821 Langstaff Rd CDN-L4K 5C6 CONCORD, ON	Auftragsbest. Nr. / order confirm. no.: 638423
	Datum / date: 2012 03 06
Endkunde, Bestell-Nr. / Your cust., ord. no.:	Lieferschein Nr. / delivery note: 85282350
	Datum / date: 2012 04 30
Akkreditiv Nr. / letter of credit no.:	

Produkt/product	Bedingungen/terms
Form / form: Sheet Werkstoff / material: 6061 Zustand / temper: T6 Dim. / dim: [inch]: 0,090x48,00x144,00 Kundenartikel-Nr / customer article no.:	Techn. Lieferbedingungen / techn. spec.: AMS-QQ-A-250/11, 08.1997 ASTM B 209 - 07 Material meets also the mech. properties of AMS 4027N, 07.2008, but not marked ANSI H35.2-2009 ASME SB 209, 2007 Sondervorschrift / special terms:

AB-Pos. ord.-item.	BNr/Los/Teillos Lot/No./Part	Guss Nr. cast no.	Werkstoff material	Kollo packno.	Gewicht netto weight net	Stk. pcs.
03	27049/01/00	01/0047670/1	6061.1	6384230011	3247,354 lbs	55

Chemische Zusammensetzung / chemical composition: [%] Gewichtsanteile / weight proportion (OES)											
Guss Nr. / cast no.	AMAG designation	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	
01/0047670/1	6061.1										
	actual	0,66	0,48	0,22	0,12	0,87	0,16	0,01	0,05	0,05	

Zugversuch / Tensile test									
BNr/Los Lot/No.	Zustand temper	Richtung direction			Rm [ksi]	Rp0.2 [ksi]	A2" [%]		
27049/01	T6	LT			47,6	40,3	15		
27049/01	T6	LT			47,7	40,2	15		
27049/01	T6	LT			47,6	40,3	15		
27049/01	T6	LT			47,6	40,3	16		
27049/01	T6	LT			47,4	40,2	16		
27049/01	T6	LT			47,4	40,3	15		
27049/01	T6	LT			47,7	40,2	15		
27049/01	T6	LT			47,7	40,3	15		
27049/01	T6	LT			47,6	40,3	15		

DAS
 14
 2-89 12/10/11



Abnahmeprüfzeugnis 3.1 (EN 10204)
Inspection certificate – mill certificate

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 9100, ISO 14001, NADCAP

Nr.: 85282350 01 / 1

Rev. 0

Seite / page: 2 von / of 2

Datum / date: 2012 04 23

Es wird bestätigt, dass die Lieferung geprüft wurde und den Vereinbarungen bei der Bestellung entspricht.
 We hereby certify that the material described above has been tested and complies with the terms of the order contract.

Werkssachverständiger / factory specialist	E-Mail / e-mail
Josef Klampfer	j.klampfer@amag.at

Herstellerland: Österreich / goods origin: The goods are of Austrian origin.
 Maschinell erstellt - Gültig ohne Unterschrift / Automated - valid without being signed.

DART AEROSPACE

PO/Rel 18068

BL PEC-789038-015

9Oct12

ALUMINUM SHEET 6061 T6
.1250 Nom X 48.0000" X 144.0000"
PART NO.

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by: _____ Pg 1/2



Abnahmeprüfzeugnis 3.1 (EN 10204) Inspection certificate – mill certificate

Nr.: 85294543 02 / 7

Rev. 0

Seite / page: 1 von / of 2

Datum / date: 2011 12 12

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 9100, ISO 14001, NADCAP

Auftraggeber / customer: ThyssenKrupp Materials NA 2821 Langstaff Rd CDN-L4K 5C6 CONCORD, ON	Bestell Nr. / order no.:	PEC-234982
	Datum / date:	2011 11 23
Warenempfänger / consignee: ThyssenKrupp Materials NA 2821 Langstaff Rd CDN-L4K 5C6 CONCORD, ON	Auftragsbest. Nr. / order confirm. no.:	633961
	Datum / date:	2011 11 24
Endkunde, Bestell-Nr. / Your cust., ord. no.:	Lieferschein Nr. / delivery note:	85294543
	Datum / date:	2011 12 30
Akkreditiv Nr. / letter of credit no.:		

Produkt/product	Bedingungen/terms
Form / form: Sheet Werkstoff / material: 6061 Zustand / temper: T6 Dlm. / dim: [inch]: 0,125x48,00x144,00 Kundenartikel-Nr / customer article no.:	Techn. Lieferbedingungen / techn. spec.: AMS-QQ-A-250/11, 08.1997 ASTM B 209 - 07 Material meets also the mech. properties of AMS 4027N, 07.2008, but not marked ANSI H35.2-2009 ASME SB 209, 2007 Sondervorschrift / special terms:

AB-Pos. ord.-item.	BNr/Los/Telllos Lot/No./Part	Guss Nr. cast no.	Werkstoff material	Kollo packno.	Gewicht netto weight net	Stk. pcs.
03	25875/01/00	01/0047291/1	6061.1	6339610002	4049,824 lbs	49

Chemische Zusammensetzung / chemical composition: [%] Gewichtsanteile / weight proportion (OES)											
Guss Nr. / cast no.	AMAG designation	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	
01/0047291/1	6061.1										
	actual	0,63	0,49	0,21	0,11	0,90	0,16	0,01	0,06	0,06	

Zugversuch / Tensile test									
BNr/Los Lot/No.	Zustand temper	Richtung direction			Rm [ksi]	Rp0.2 [ksi]	A2" [%]		
25875/01	T6	LT			46,1	39,5	15		
25875/01	T6	LT			46,4	39,6	15		
25875/01	T6	LT			46,4	39,6	15		
25875/01	T6	LT			46,4	39,7	15		
25875/01	T6	LT			46,1	39,5	15		
25875/01	T6	LT			46,1	39,5	15		
25875/01	T6	LT			46,7	39,7	15		
25875/01	T6	LT			46,3	39,5	15		
25875/01	T6	LT			46,6	39,7	14		

DAS
14 12/10/11
2-89

AMAG rolling GmbH, Postfach 32, A-5282 Ranshofen, Österreich – www.amag.at
AMAG rolling GmbH, P.O. Box 32, A-5282 Ranshofen, Austria – www.amag.at



Abnahmeprüfzeugnis 3.1 (EN 10204)
Inspection certificate – mill certificate

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, ENAS 9100, ISO 14001, NADCAP

Nr.: 85294543 02 / 7

Rev. 0

Seite / page: 2 von / of 2

Datum / date: 2011 12 12

Es wird bestätigt, dass die Lieferung geprüft wurde und den Vereinbarungen bei der Bestellung entspricht.
 We hereby certify that the material described above has been tested and complies with the terms of the order contract.

Werkssachverständiger / factory specialist	E-Mail / e-mail
Josef Klampfer	j.klampfer@amag.at

Herstellerland: Österreich / goods origin: The goods are of Austrian origin.
 Maschinell erstellt - Gültig ohne Unterschrift / Automated - valid without being signed.

DAS
 14
 2-89 12/10/11



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO18068

Purchase Order Date 10/04/12

PO Print Date 10/04/12

Page Number 1 of 6

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone 905 669 9444

Vendor Fax 905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAKED
123279

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M303B1.000X03.000 058	303 BAR 1" X 3'	10/10/12 No	8.00 f	Yours ppd	\$50.4540	\$403.63

Special Inst: MATERIAL: AISI 303 SS BAR AS PER
ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

2	M303H0.500 037	303 HEX BAR .500	10/10/12 Yes	12.00 f	Yours ppd	\$2.8000	\$33.60
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Special Inst: MATERIAL: AISI 303 SS HEX BAR AS
PER SATM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

3	M304S18GA 020	304/316 .050 Sheet	10/10/12 Yes	192.00 sf	Yours ppd	\$3.3828	\$649.50
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Special Inst: MATERIAL: AISI 304/316 SS SHEET
ANNEALED 2B FINISH
AS MIL-S-5059 OR AMS 5513 (304) OR
AMS 5524 (316)
OR ASTM A240 OR ASME SA240

12/10/10
**MATERIAL CERTIFICATION
REQ'D UPON DELIVERY**

No substitution or deviation without
consent.

Certificate of Conformity or Material
Certification required - YES NO

Change Nbr: 2

Change Date: 10/04/12



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO18068

Purchase Order Date 10/04/12

PO Print Date 10/04/12

Page Number 2 of 6

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone

905 669 9444

Vendor Fax

905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

QTY	ITEM NO	DESCRIPTION	UNIT	PRICE	TAX	AMOUNT	TOTAL
4	M6061T6B0.250X02.000	6061-T6 Bar .250 X 2.00	10/10/12	✓ 72.00	Yours ppd	\$1.1700	\$84.24
			Yes	f			

Special Inst:

MATERIAL: 6061-T6/T651/T6510/6511T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

5	M6061T6B0.250X06.000	6061-T6 Bar .250 x 6.00	10/10/12	✓ 36.00	Yours ppd	\$3.5500	\$127.80
			Yes	f			

Special Inst:

MATERIAL: 6061-T6/T651/T6510/6511T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

6	M6061T6B0.375X01.000	6061T6 BAR .375 x 1.00	10/10/12	48.00	Yours ppd	\$0.9330	\$44.78
			Yes	f			

Special Inst:

MATERIAL: 6061-T6/T651/T6510/6511T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

MATERIAL CERTIFICATION
REQ'D UPON DELIVERY

Change Nbr: 2

Change Date: 10/04/12

No substitution or deviation without
consent.

Certificate of Conformity or Material
Certification required - YES NO



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO18068

Purchase Order Date 10/04/12

PO Print Date 10/04/12

Page Number 3 of 6

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone

905 669 9444

Vendor Fax

905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

7	M6061T6B0.625X02.500	6061-T6 Bar .625 x 2.50	10/10/12	✓ 12.00	Yours ppd	\$3.8500	\$46.20
			Yes	f			

002

Special Inst: MATERIAL: 6061-T6/T651/T6510/6511T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

8	M6061T6B00750X00.125	6061-T6 Bar .750 x .125	10/10/12	✓ 100.00	Yours ppd	\$0.3550	\$35.50
			Yes	f			

001

Special Inst: MATERIAL: 6061-T6/T651/T6510/6511T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

9	M6061T6B1.000X02.000	6061-T6 Bar 1.00 x 2.00	10/10/12	✓ 24.00	Yours ppd	\$4.8330	\$115.99
			Yes	f			

004

Special Inst: MATERIAL: 6061-T6/T651/T6510/6511T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

MATERIAL CERTIFICATION
REQ'D UPON DELIVERY

Change Nbr: 2

Change Date: 10/04/12

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required - YES NO



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO18068

Purchase Order Date 10/04/12

PO Print Date 10/04/12

Page Number 4 of 6

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone 905 669 9444

Vendor Fax 905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

10	M6061T6B0.625X01.500 002	6061-T6 Bar .625 x 1.50	10/10/12 Yes	✓ 12.00 f	Yours ppd	\$2.2000	\$26.40
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Special Inst: MATERIAL: 6061-T6/T651/T6510/6511T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

11	M6061T6B0.187X04.000 001	6061-T6 Bar .187 x 4.00	10/10/12 Yes	✓ 60.00 f	Yours ppd	\$1.9000	\$114.00
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Special Inst: MATERIAL: 6061-T6/T651/T6510/6511T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

12	M6061T6B2.000X02.250 009	6061-T6 Bar 2.00 x 2.25	10/10/12 Yes	✓ 12.00 f	Yours ppd	\$11.5500	\$138.60
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Special Inst: MATERIAL: 6061-T6/T651/T6510/6511T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

MATERIAL CERTIFICATION
REQ'D UPON DELIVERY

Change Nbr: 2

Change Date: 10/04/12

No substitution or deviation without
consent.

Certificate of Conformity or Material
Certification required YES NO



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO18068

Purchase Order Date 10/04/12

PO Print Date 10/04/12

Page Number 5 of 6

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone

905 669 9444

Vendor Fax

905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

13	M6061T6S.080 021	6061-T6 .080 Sheet	10/10/12 Yes	288.00 sf	Yours ppd	\$2.6764	\$770.80
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Special Inst:

MATERIAL: 6061-T6/T62 ALUMINUM
SHEET
AS PER QQ-A-250/11 OR AMS-QQ-A-
250/11 OR
AMS 4025 OR AMS 4027 OR ASTM B209

14	M6061T6S.090 021	6061-T6 .090 Sheet	10/10/12 Yes	96.00 sf	Yours ppd	\$3.0109	\$289.05
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Special Inst:

MATERIAL: 6061-T6/T62 ALUMINUM
SHEET
AS PER QQ-A-250/11 OR AMS-QQ-A-
250/11 OR
AMS 4025 OR AMS 4027 OR ASTM B209

15	M6061T6S.125 021	6061-T6 .125 Sheet	10/10/12 Yes	144.00 sf	Yours ppd	\$4.1288	\$594.55
----	---------------------	--------------------	-----------------	--------------	-----------	----------	----------

Special Inst:

MATERIAL: 6061-T6/T62 ALUMINUM
SHEET
AS PER QQ-A-250/11 OR AMS-QQ-A-
250/11 OR
AMS 4025 OR AMS 4027 OR ASTM B209

16	M2024T3S0.190	2024-T3 .190 sheet	10/10/12 Yes	48.00 sf	Yours ppd	\$13.9583	\$670.00
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MATERIAL CERTIFICATION
REQ'D UPON DELIVERY

No substitution or deviation without
consent.

Certificate of Conformity or Material
Certification required YES NO

Change Nbr:

2

Change Date: 10/04/12



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO18068**

Purchase Order Date 10/04/12

PO Print Date 10/04/12

Page Number 6 of 6

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Requisition Nbr	
Vendor Fax	905 738 9033	Tax Resale Nbr	10127-2607
Vendor Account Nbr		Terms	Net 30
		Currency	CAD
		FOB	Destination-Collect

Special Inst: MATERIAL: 2024-T3 ALUMINUM SHEET
QQ-A-250/4 OR AMS-QQ-A-250/4 OR
AMS 4037
OR ASTM B209

PO Total:

\$4,144.65

MATERIAL CERTIFICATION
REQ'D UPON DELIVERY

Change Nbr: 2

Change Date: 10/04/12

CL

No substitution or deviation without
consent.

Certificate of Conformity or Material
Certification required **YES** NO

M1010B0.375X03.500	1.05E-03	0	0.16	4
M1010B0.500X03.000	7.56	0	49.3	12
M1010S16GA	74.440625	0	141.82	32
M1010S18GA	4.995578947	0	42.096	32
M1010S19GA	4.075789474	0	0	0
M1010S20GA	4.725263158	0	79.07	32
M12883/41-19	5	-2	21	0
M174B1.250X02.000 ✓	30.10757895	0	41.34	20 24ft
M174B1.500X02.250	2.293810526	0	22.8479	20
M174PH-H900B3.937X4.750 1/10.1787	10.28880053	0	4.87	8 x 8ft
M174PH-H900R0.625	4.21E-03	0	7.32	0
M174PH-H900R0.750	2.63E-02	0	9.5	0
M174PH-H900R1.000 ✓	90.05074011	0	75.48	4 36ft
M174PH-H900R1.375 ✓	25.62212105	0	49.0007	4 36ft
M174R0.750	4.449263158	0	57.259	20
M2024T3A1.0 X 1.0 X.125	1.11E-07	0	9.0263159	0
M2024T3A1.0X1.5X125	4.63E-02	0	16.8	0
M2024T3A1.50X2.00X.125	1.58E-08	0	5.7894737	0
M2024T3S.020	6.809684211	0	67	4
M2024T3S.063	38.37082105	0	373.38	192
M2024T3S.080	33.21831579	0	245.97	160
M22759/16-229	26.52631579	0	176	100
M302LS.125x.003	11.08	0	0	0
M303B0.500X0.500	0.514631579	0	18.6309	6
M303B0.750X1.500	0.220122684	0	4.69	6
M303B1.000X1.000	4.359051895	0	12.250526	6
M303B1.000X2.000	4.868189474	0	6.1839	6
M303B2.000X1.750	9.809684053	0	3.005263	10
M303B3.500X03.500	1.010526316	0	0	2
M303R0.375	1.376526316	0	52.788	12
M303R0.500	34.75505263	0	272.142	20
M303R0.750 ✓	28.84057895	0	123.056 x 200ft	60
M303R1.000 ✓	10.55468421	0	39.16515789 24ft	12
M304B0.250x0.500	299.8406842	0	638.75	60
M304B0.250X4.000 ✓	0.121052632	0	37.7	8 12ft
M304B0.500X012.000	1.026315789	0	35.5	0
M304B0.500X2.500	8.168684211	0	27.127	0
M304B0.750X2.500	4.792	0	25.016	12
M304B3.500X03.500	14.21578947	0	0	0
M304EX0.75-16F	522.838028	0	1072.216964	192
M304R.250	1.063158167	0	14.55	12
M304R0.375 ✓	7.261453684	0	71.545	40 108ft
M304R0.4375	0.16	0	24	0
M304R1.000	12.396	0	32.957	12 36ft
M304R1.250	4.137115789	0	23.74	12
M304R1.500	0.9	0	24.3	12
M304R0.750	8.760210526	0	38.617	24

303 B 1x3 x 8ft ✓ m303 H.500 x 12ft ✓

M4130NT0.500W.035 + 200ft ✓

M304S188	6.248421053	0	17	12
M304S18GA ✓	63.13763158	0	249.286	128 192
M304S26GA	7.98647587	0	91.8	32
M304S3GA	6.32E-03	0	0	0
M304TR0.375W.065	5.926258133	0	35.25	12
M304TR0.500W.035	19.92238062	0	132.5473823	80 200ft
M304TR0.750W.120	12.95105221	0	31.27736827	24
M304TR0.875W.065 304TR1.000	2.657684211	0	47	18
M304TR1.250W.125 304TR1.000	0.830210526	0	54.25	12
M304TR0.750W.065 306ft	313.4883727	0	931.289337	200 100
M316TR1.00W.120	3.715526316	0	86.5	24
M39029/92-534	20	-8	206	0
M4111NS.125	21.73115789	0	384.08	64
M4130NB0.500X03.000	0.755421053	0	62.12	40
M4130NS.125	0.223157895	0	32.3	4
M4130NT0.373W.049	3.7624	0	13.7304	6
M4130NT0.500W.049 ✓	9.037894737	0	48	10 306ft
M4130NT0.750W.035 ✓	51.11536842	0	76.8	24
M4130NT0.750W.049 ✓	29.75905263	0	125.67	30 100ft
M4130NT0.750W.083	5.158947368	0	40.477	20 200ft
M4130NT1.000W.120	3.152631579	0	66.1	12
M4140N-B1.500X1.5000	5.86	0	1.09	6
M5052H32S.032	1.642526316	0	226.8	96
M5052H32S.040	17.33557895	0	158.4	64
M569EX0.50-18F ✓	8	0	86	64 1285F
M6061T6B0.250X02.000 ✓	13.26	0	34.21	12 72ft
M6061T6B0.250X06.000 ✓	9.228	0	14.46	12 36ft
M6061T6B0.375X01.000 ✓	12.70455789	0	3.858	24 48ft
M6061T6B0.375X02.000	9.71E-02	0	13.684	6
M6061T6B0.375X03.000	1.922315789	0	14.18	6
M6061T6B0.500X05.000	9.736610526	0	66.2534	36
M6061T6B0.500X06.000	3.799684211	0	21.15	24
M6061T6B0.500X10.000	1.500152632	0	49.3	24
M6061T6B0.500X24.000	0.131578947	0	2.5	0
M6061T6B0.625X02.500 ✓	0.945789684	0	8.656316	8 12ft
M6061T6B0.750X00.750	4.784578947	0	11.23	24
M6061T6B0.750X01.500	0.139547548	0	28.906368	24
M6061T6B0.750X06.000	1.84	0	34	6
M6061T6B0.750X08.000	6.384210526	0	12.5	8
M6061T6B00750X00.125 ✓	19.37784211	0	52.803	80 100ft
M6061T6B1.000X02.000 ✓	14.10784211	0	22.748	40 24ft
M6061T6B1.000X04.000	44.55573684	0	78.163	12
M6061T6B1.000X06.000	0.004	0	20.164	6
M6061T6B1.250X01.250	3.719894737	0	18.29	12
M6061T6B1.250X04.500	0.114472737	0	12.7417	12
M6061T6B1.500X01.250	2.635936842	0	13.057	12
M6061T6B1.500X02.000	0.351473684	0	13.91968	12

~~M6061T6B0.375X1.000~~

B. 625 X 1.8" 12ft

M6061T6A.750W.065 + 20ft ✓

M6061T6B0.187X4.00 X 10ft ✓

M6061T6B1.500X02.500	3.321263158	0	63.24	20
M6061T6B1.500X04.000	0.324210526	0	18	10
M6061T6B2.000X01.250	1.066184632	0	18.73076358	20
M6061T6B2.000X02.250 ✓	6.030736842	0	14.856	12 12ft
M6061T6B2.000X03.500	5.947436842	0	20.8811	12
M6061T6B2.000X04.500	4.74E-03	0	15.122632	6
M6061T6B2.500X01.500	0.291473684	0	33.29	12
M6061T6B2.500X03.500	2.555052632	0	15.75	8
M6061T6B30000X01.500	0.110017011	0	30.671	20
M6061T6H0.250	0.884210526	0	12	1
M6061T6H1.000	5.704947368	0	24.358	12
M6061T6H1.625	1.43E-02	0	14.9	6
M6061T6R1.000	7.272	0	68.523	24
M6061T6R3.500	5.778947368	0	12.4	8
M6061T6S.032	49.47570526	0	280.546	40
M6061T6S.050 ✓	25.67263158	0	220.164	160 160SF ✓
M6061T6T0.375W.035	13.88535789	0	155.0882	100
M6061T6T0.375W.049	46.41894737	0	24.6	20
M6061T6T0.375W.058 ✓	130.0764211	0	397.036	100 400ft
M6061T6T0.500W.035	9.211052632	0	46.04	100
M6061T6T0.500W.058	203.5340526	0	431.623	80
M6061T6T0.625W.065	4.884684211	0	5.451	30
M6061T6T0.875W.058	0.262421053	0	25.334	12
M6061T6T1.000W.065 ✓	22.69893263	0	32.89988	40 80ft
M6061T6T1.500W.125 ✓	0.331578947	0	34.5	12 80ft
M6061T6T5.000W.125	1.436841856	0	23.62631554	6
M6061T6TS0.750W.062	87.36422705	0	145.606996	100
M7075T73B2.500X03.25	5.360526316	0	7.572	6
M7075T73B4.000x4.000	10.12147368	0	4.9735	6
M7075T73R1.000	6.675	0	53.375	36
M7885/2-4-3	24	0	530	80
M7885/3-4-4	28	0	321	100
M7885/3-4-5	2	0	179	50
M81824/1-2	3	0	84	12
M83536/9-024M	5	-2	21	0
MACRLICS.236	16.82883085	0	237.3853524	96
MDELNRINR0.750	44.86963158	0	10.175	24
MDELNRINR1.000	2.005710526	0	37.7432	12
MDELNRINR1.2500	0.840157895	0	9.872	24
MDELNRINR1.500	0.989473684	0	10	6

*D6202
x 20*

M6061T6R0.563 X 100ft ✓

6061T6R 1.500 X 12ft ✓

6061T6S.080 X 256SF ✓

6061T6S.090 X 64SF ✓

6061T6S.125 X 128SF ✓

~~M6061T6T0.375W.058 X 200ft~~ ✓

6061T6T 1.250W.125 X 60ft ✓

~~6061T6T 1.750W.065 X 80ft~~ ✓

Q U O T A T I O N

No: PEC ST-495306

Quoted By:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 9057389033

Quoted To: (20115)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7

Quoted Ship To: (1)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7

Trm NET 30 DAYS/NET 30 JOURS Qtd 01Oct12 Qte Ref
 Frt PREPAID Via FOB
 Tel 613-632-9577 Fax 613-632-1053 Ctc CHANTAL
 Slp STAN IVERS (905-532-1350)

Q U O T A T I O N

QT No: PEC ST-495306

Test Certs: Chem-Y Phys-Y 1 Original copies with Shipment, 1 with Invoice

1. ALUMINUM SHEET-2024 -T3	1 PCS	128 LBS
1900 Nom X 48.0000" X 144.0000"		
Part No 4-6 DAYS A.R.O		
MATERIAL	1 PCS @	670.0000 EA
SKID		25.0000 LOT
		670.00
		25.00

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
 WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
 TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
 ** REFERENCED ON IT **

Price in effect at time of shipment.

Price based on receipt of total order.

All weights are theoretical.

All orders are subject to credit approval.

**** TEL. 800-926-2600 ****

*** CUSTOMER PICK-UP HOURS ***

*** 9:00 AM TO 4:00 PM ***

* WE STOCK STAINLESS STEEL!!!! *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
 ADDED TO EVERY ORDER.***

*FOR OUR FULL SALES TERMS AND CONDITIONS, PLEASE

*VISIT OUR WEBSITE: www.copperandbrass.com

Order Totals: 1 Items 128 LBS

*****	Material	Processing	Freight	Other	Taxes	ORDER AMT
	670.00			25.00	90.35	785.35
*****	Taxes: ONHSTS	90.35	0.00	0.00	0.00	

375.64. kg
4.66. inch

Q U O T A T I O N

No: PEC ST-495540

Quoted By:

THYSSENKRUPP MATERIALS NA

2821 LANGSTAFF ROAD

CONCORD, ONTARIO L4K 5C6

Tel: 905 669 9444 Fax: 9057389033

Quoted To: (20115)

DART AEROSPACE

1270 ABERDEEN ST

HAWKESBURY, ON K6A 1K7

Quoted Ship To: (1)

DART AEROSPACE

1270 ABERDEEN ST

HAWKESBURY, ON K6A 1K7

Trm NET 30 DAYS/NET 30 JOURS

Frt PREPAID

Tel 613-632-9577 Fax 613-632-1053

Slp STAN IVERS (905-532-1350)

Qtd 01Oct12 Qte Ref

Via

Ctc CHANTAL

FOB

Q U O T A T I O N

QT No: PEC ST-495540

Test Certs: Chem-Y Phys-Y 1 Original copies with Shipment, 1 with Invoice

1 STAINLESS STEEL FLAT BAR 17-4	2 PCS	2 LBS
---------------------------------	-------	-------

1.25" X 2" X 144.0000"

MATERIAL DUE INTO THE USA MID LATE OCT.

5- 7 DAYS LEAD TIME ONCE LANDED

MATERIAL

2 LBS @

CWT

2 STAINLESS STEEL FLAT BAR	1 PCS	530 LBS
----------------------------	-------	---------

4.00 X 4.75 X 96.000"

Part No OFFERING 17-4PH ABRASIVE W.J

Offering 1 pc of 4" x 4.75" x 96" 17-4PH abrasive waterjet cut plate per ASME SA-693, approx 529 lbs

10-14 day lead time ***NO FLATNESS GUARANTEE***

(Sandmeyer)

MATERIAL

1 PCS @ 7,735.0000 EA

7,735.00

3 STAINLESS STEEL FLAT BAR 303CD	1 PCS	82 LBS
----------------------------------	-------	--------

1.00" X 3.00" X .96.0000"

MATERIAL

8 FT @

50.4540 FT

8 FT

403.63

4 STAINLESS STEEL HEX BAR 303 STAINLESS	1 PCS	9 LBS
---	-------	-------

.50" HEX X 144.0000"

MATERIAL

12 FT @

2.8000 FT

12 FT

33.60

5 STAINLESS STEEL ROUND BAR 304L	4 PCS	8 LBS
----------------------------------	-------	-------

.250" DIA X 144.0000"

INCREASED TO REACH LINE ITEM MIN (\$ 35)

MATERIAL

48 FT @

.5500 FT

48 FT

26.40

6 STAINLESS STEEL SHEET 304-2B	6 PCS	385 LBS
--------------------------------	-------	---------

.0480 Nom X 48.0000" X 96.0000"

MATERIAL

6 PCS @

108.2500 EA

649.50

Q U O T A T I O N

No: PEC ST-495540

Quoted By:

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2821 LANGSTAFF ROAD

CONCORD, ONTARIO L4K 5C6

Tel: 905 669 9444 Fax: 9057389033

Quoted To: (20115)

DART AEROSPACE

Quoted Ship To: (1)

DART AEROSPACE

Q U O T A T I O N

QT No: PEC ST-495540

7 ALUMINUM FLAT BAR 6061-T6511 .250" x 2.00" X 144.0000" MATERIAL	6 PCS	43 LBS
72 FT @ 1.1700 FT		72 FT 84.24
8 ALUMINUM FLAT BAR 6061-T6511 .250" x 6.00" X 144.0000" MATERIAL	3 PCS	65 LBS
36 FT @ 3.5500 FT		36 FT 127.80
9 ALUMINUM FLAT BAR 6061-T6511 .375" x 1.00" X 144.0000" MATERIAL	4 PCS	22 LBS
48 FT @ .9330 FT		48 FT 44.78
10 ALUMINUM FLAT BAR 6061-T6511 .625" x 2.50" X 144.0000" MATERIAL	1 PCS	22 LBS
12 FT @ 3.8500 FT		12 FT 46.20
11 ALUMINUM FLAT BAR 6061-T6511 .125" x .750" X 240.0000" MATERIAL	5 PCS	11 LBS
100 FT @ .3550 FT		100 FT 35.50
12 ALUMINUM FLAT BAR 6061-T6511 1.00" x 2.00" X 144.0000" MATERIAL	2 PCS	58 LBS
24 FT @ 4.8330 FT		24 FT 115.99
13 ALUMINUM FLAT BAR 6061-T6511 .625" x 1.50" X 144.0000" MATERIAL	1 PCS	13 LBS
12 FT @ 2.2000 FT		12 FT 26.40
14 ALUMINUM FLAT BAR 6061-T6511 .187" x 4.00" X 240.0000" MATERIAL	3 PCS	54 LBS
60 FT @ 1.9000 FT		60 FT 114.00
15 ALUMINUM FLAT BAR 6061-T6511 2.00" x 2.50" X 144.0000" MATERIAL	1 PCS	71 LBS
12 FT @ 11.5500 FT		12 FT 138.60
16 ALUMINUM ANGLE 6063-T5 .750" x .750" x .062" X 252.0000" MATERIAL	1 PCS	2 LBS
	30.0000 LOT	30.00
17 ALUMINUM SHEET 6061 T6 .0500 Nom X 48.0000" X 144.0000" LEAD TIME 5-7 DAYS MATERIAL	4 PCS	135 LBS
135 LBS @	LBS	

Q U O T A T I O N

No: PEC ST-495540

Quoted By:

THYSSENKRUPP MATERIALS NA

2821 LANGSTAFF ROAD

CONCORD, ONTARIO L4K 5C6

Tel: 905 669 9444 Fax: 9057389033

Quoted To: (20115)

DART AEROSPACE

Quoted Ship To: (1)

DART AEROSPACE

Q U O T A T I O N

QT No: PEC ST-495540

18 ALUMINUM SHEET 6061 T6	6 PCS		328 LBS
.0810 Nom X 48.0000" X 144.0000"			
LEAD TIME 1-2 DAYS			
MATERIAL	6 PCS @	128.4667 EA	770.80
19 ALUMINUM SHEET 6061 T6	2 PCS		123 LBS
.0910 Nom X 48.0000" X 144.0000"			
LEAD TIME 1-2 DAYS			
MATERIAL	2 PCS @	144.5250 EA	289.05
20 ALUMINUM SHEET 6061 T6	3 PCS		253 LBS
.1250 Nom X 48.0000" X 144.0000"			
LEAD TIME 1-2 DAYS			
MATERIAL	3 PCS @	198.1833 EA	594.55
21 ALUMINUM SHEET 6061 T6	4 PCS		86 LBS
.0320 Nom X 48.0000" X 144.0000"			
Part No 4-6 DAYS A.R.O.			
LEAD TIME 1-2 DAYS			
MATERIAL	4 PCS @	111.5000 EA	446.00

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** REFERENCED ON IT **

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*VISIT OUR WEBSITE: www.copperandbrass.com

Order Totals: 21 Items 2302 LBS

Material	Processing	Freight	Other	Taxes	ORDER AMT
11,712.04				1,522.57	13,234.61

Q U O T A T I O N

No: PEC ST-495540

Quoted By:

THYSSENKRUPP MATERIALS NA

2821 LANGSTAFF ROAD

CONCORD, ONTARIO L4K 5C6

Tel: 905 669 9444 Fax: 9057389033

Quoted To: (20115)

DART AEROSPACE

Quoted Ship To: (1)

DART AEROSPACE

Q U O T A T I O N

QT No: PEC ST-495540

Taxes: ONHSTS 1,522.57 0.00 0.00 0.00